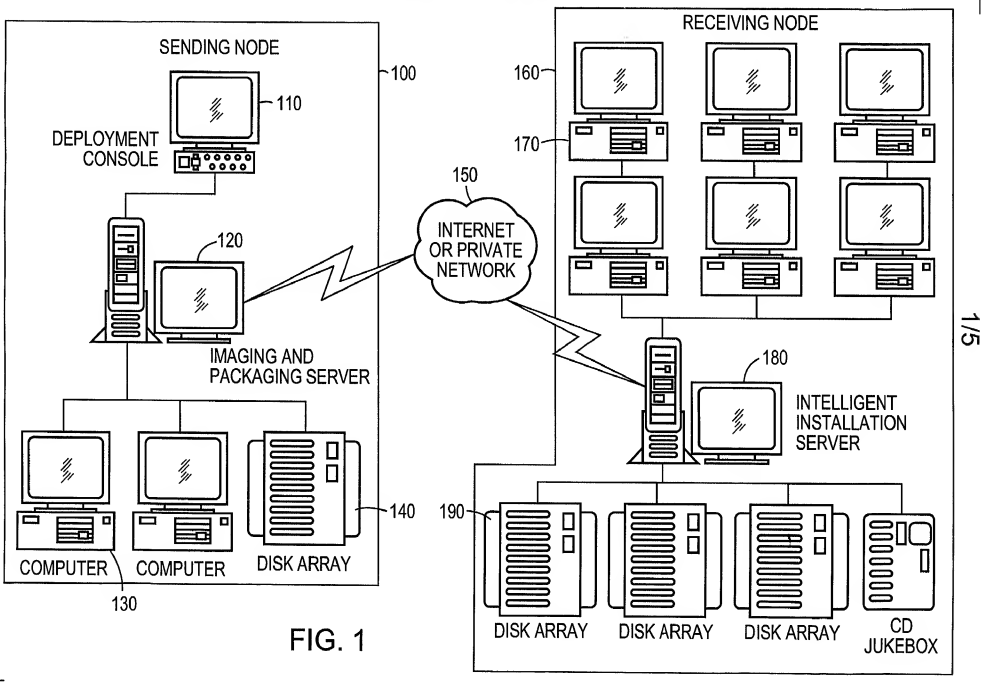
SENDING NODE
100
110
DEPLOYMENT CONSOLE
120
IMAGING AND PACKAGING SERVER
COMPUTER
COMPUTER
DISK ARRAY
130
140
150
INTERNET OR PRIVATE NETWORK
RECEIVING NODE
160
170
180
INTELLIGENT INSTALLATION SERVER
190
DISK ARRAY
DISK ARRAY
DISK ARRAY
CD JUKEBOX

FIG. 1

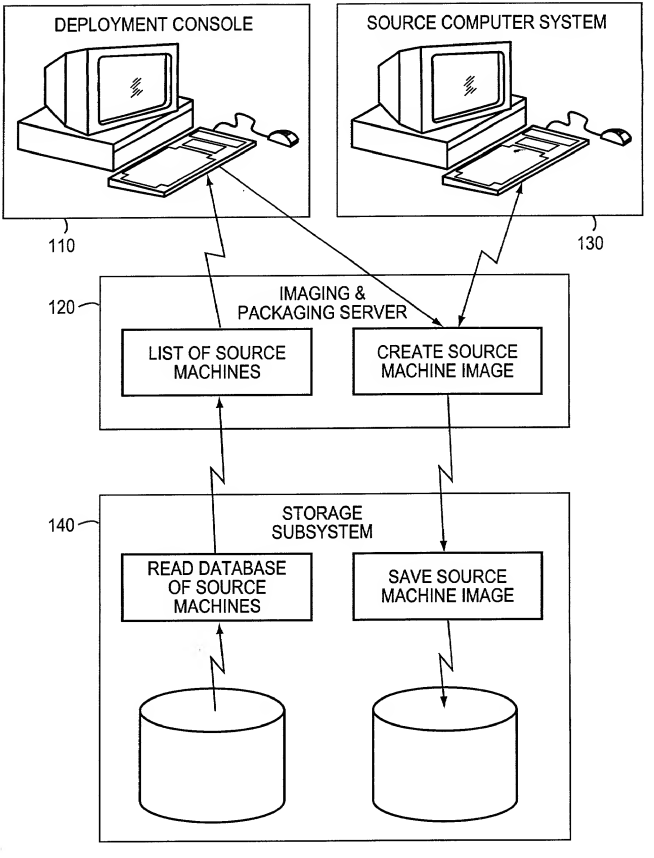
DEPLOYMENT CONSOLE
SOURCE COMPUTER SYSTEM
110
130
120
IMAGING &
PACKAGING SERVER
LIST OF SOURCE
MACHINES
CREATE SOURCE
MACHINE IMAGE
140
STORAGE
SUBSYSTEM
READ DATABASE
OF SOURCE
MACHINES
SAVE SOURCE
MACHINE IMAGE

FIG. 2

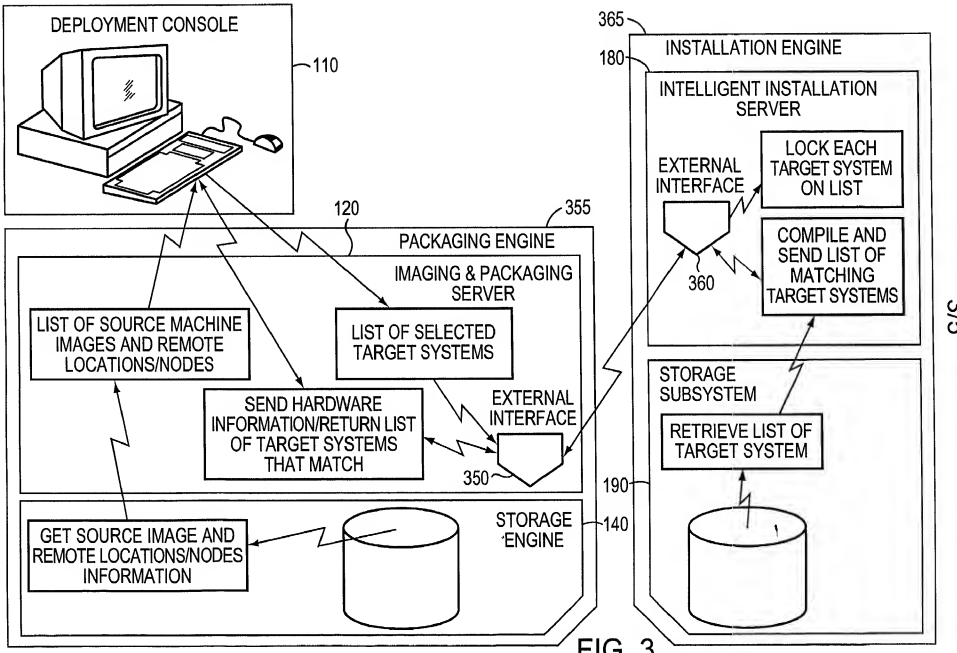
DEPLOYMENT CONSOLE
110
365
INSTALLATION ENGINE
180
INTELLIGENT INSTALLATION SERVER
EXTERNAL INTERFACE
LOCK EACH TARGET SYSTEM ON LIST
COMPILE AND SEND LIST OF MATCHING TARGET SYSTEMS
360
120
355
PACKAGING ENGINE
IMAGING & PACKAGING SERVER
LIST OF SOURCE MACHINE IMAGES AND REMOTE LOCATIONS/NODES
LIST OF SELECTED TARGET SYSTEMS
SEND HARDWARE INFORMATION/RETURN LIST OF TARGET SYSTEMS THAT MATCH
EXTERNAL INTERFACE
350
STORAGE SUBSYSTEM
RETRIEVE LIST OF TARGET SYSTEM
190
GET SOURCE IMAGE AND REMOTE LOCATIONS/NODES INFORMATION
STORAGE ENGINE
140

FIG. 3

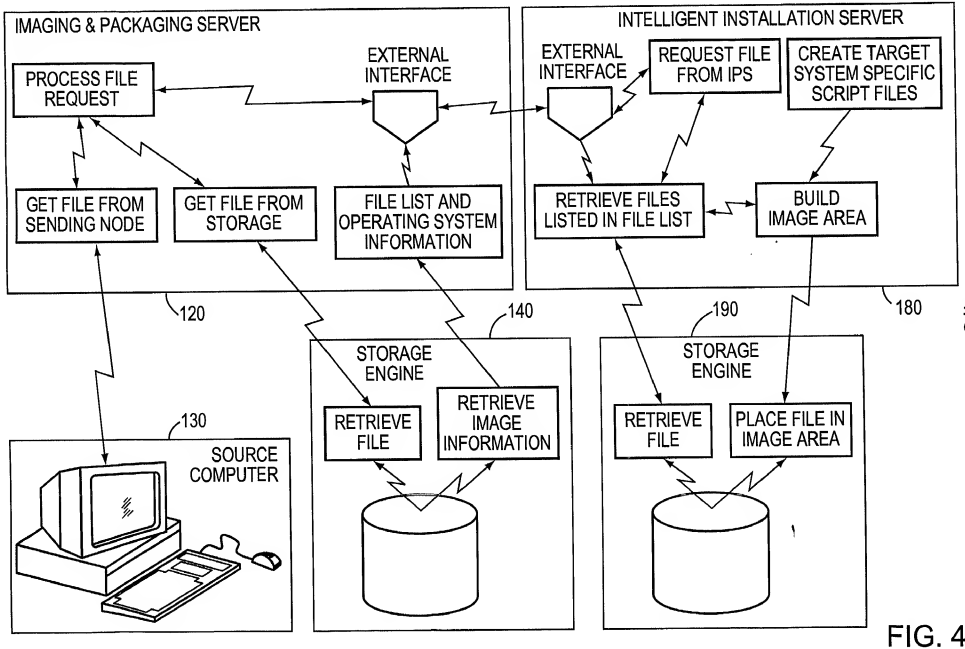
IMAGING & PACKAGING SERVER
PROCESS FILE REQUEST
EXTERNAL INTERFACE
GET FILE FROM SENDING NODE
GET FILE FROM STORAGE
FILE LIST AND OPERATING SYSTEM INFORMATION
120
INTELLIGENT INSTALLATION SERVER
EXTERNAL INTERFACE
REQUEST FILE FROM IPS
CREATE TARGET SYSTEM SPECIFIC SCRIPT FILES
RETRIEVE FILES LISTED IN FILE LIST
BUILD IMAGE AREA
180
140
STORAGE ENGINE
RETRIEVE FILE
RETRIEVE IMAGE INFORMATION
190
STORAGE ENGINE
RETRIEVE FILE
PLACE FILE IN IMAGE AREA
130
SOURCE COMPUTER

FIG. 4

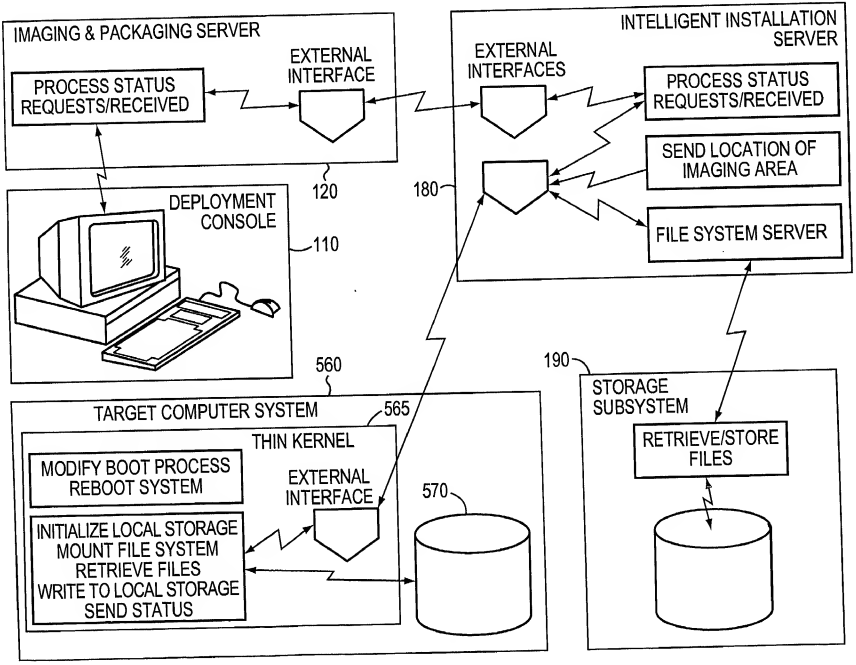
IMAGING & PACKAGING SERVER
PROCESS STATUS REQUESTS/RECEIVED
EXTERNAL INTERFACE
120
DEPLOYMENT CONSOLE
110
INTELLIGENT INSTALLATION SERVER
EXTERNAL INTERFACES
180
PROCESS STATUS REQUESTS/RECEIVED
SEND LOCATION OF IMAGING AREA
FILE SYSTEM SERVER
560
TARGET COMPUTER SYSTEM
565
THIN KERNEL
MODIFY BOOT PROCESS
REBOOT SYSTEM
EXTERNAL INTERFACE
570
INITIALIZE LOCAL STORAGE
MOUNT FILE SYSTEM
RETRIEVE FILES
WRITE TO LOCAL STORAGE
SEND STATUS
190
STORAGE SUBSYSTEM
RETRIEVE/STORE FILES

FIG. 5